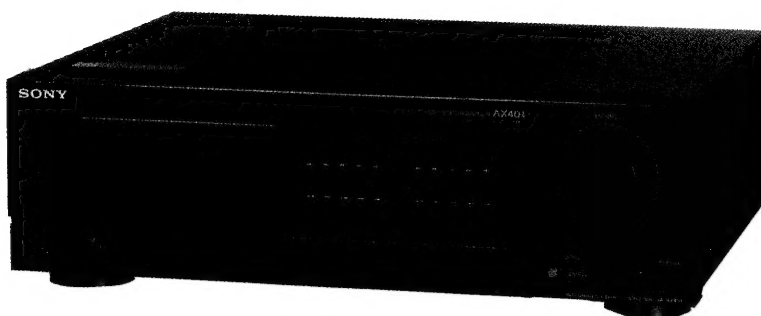


TA-AX401

SERVICE MANUAL

US Model



SPECIFICATIONS

AUDIO POWER SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION:

With 8 ohm loads both channels driven, from 20 – 20,000 Hz; rated 135 watts per channel minimum RMS power, with no more than 0.9% total harmonic distortion from 250 milliwatts to rated output.

Amplifier section

Power bandwidth (IHF) 30 Hz – 30 kHz (8 ohms, 65 watts)
Dynamic headroom 1.7 dB ('78 IHF)
Harmonic distortion Less than 0.9% at rated output
Frequency response PHONO: RIAA equalization curve
TUNER, CD, VIDEO, TAPE: 30 Hz – 30 kHz ± 3 dB
Damping factor 27 (8 ohms, 1 kHz)

Input

Input jack	Jack type	Sensitivity	Impedance	S/N (weighting network, input level)
PHONO MM	Phono	3.0 mV	50 kilohms	71 dB 75 dB* (A, 3.0 mV)
TUNER CD VIDEO TAPE	Phono	250 mV	50 kilohms	92 dB 83 dB* (A, 250 mV)

* '78 IHF

Output

REC OUT	Phono jacks	Voltage 150 mV Impedance 1 kilohm
SPEAKERS	—	Accepts speakers of 8 – 16 ohms.
HEADPHONES	Stereo phone jack	Accepts low and high impedance headphones.

GRAPHIC EQUALIZER controls

Boost/cut range: ± 8 dB (100 Hz, 330 Hz,
1 kHz, 3.3 kHz)
: ± 6 dB (10 kHz)

General System

Preamplifier: Low-noise, high-gain equalizer amplifier

Power amplifier: Pure-complementary SEPP
OCL power amplifier with all stages directly coupled

Power requirements 120 V AC, 60 Hz

Power consumption 235 W

AC outlets 3 switched, total 100 watts max.

Dimensions Approx. 430 \times 130 \times 355 mm (w/h/d)
(17 \times 5 $\frac{1}{8}$ \times 14 inches)

Weight Approx. 8.5 kg (18 lb 12 oz)

Supplied accessory RM-S104 Remote commander (1)



Design and specifications subject to change without notice.

INTEGRATED STEREO AMPLIFIER
SONY[®]

TABLE OF CONTENTS

<i>Section</i>	<i>Title</i>	<i>Page</i>
1. GENERAL		
1-1.	Location of Controls	3
2. DISASSEMBLY		
2-1.	Removal of The Front Panel.....	4
2-2.	Removal of The Q511	4
3. ELECTRICAL ADJUSTMENTS		5
4. DIAGRAMS		
4-1.	Block Diagram	6
4-2.	Circuit Boards Location	9
4-3.	Printed Wiring Boards	10
4-4.	Schematic Diagram —MAIN Section—	15
4-5.	Schematic Diagram —DISPLAY Section—	19
4-6.	Semiconductor Lead Layouts	22
5. EXPLODED VIEWS		
5-1.	Case, Front Panel Section	23
5-2.	Chassis Section	24
6. ELECTRICAL PARTS LIST		25

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK  OR DOTTED LINE WITH MARK  ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety check before releasing the set to the customer:

Check the antenna terminals, metal trim, “metallized” knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.

3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The “limit” indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

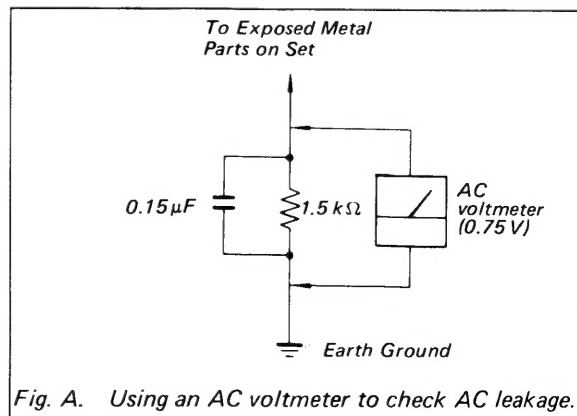
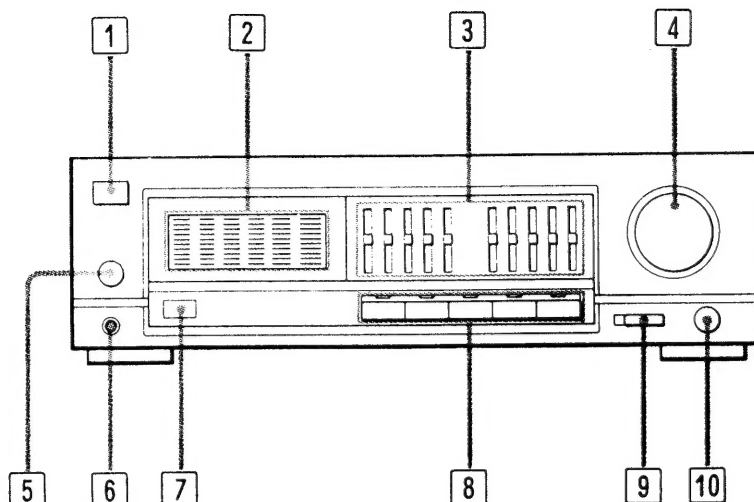


Fig. A. Using an AC voltmeter to check AC leakage.

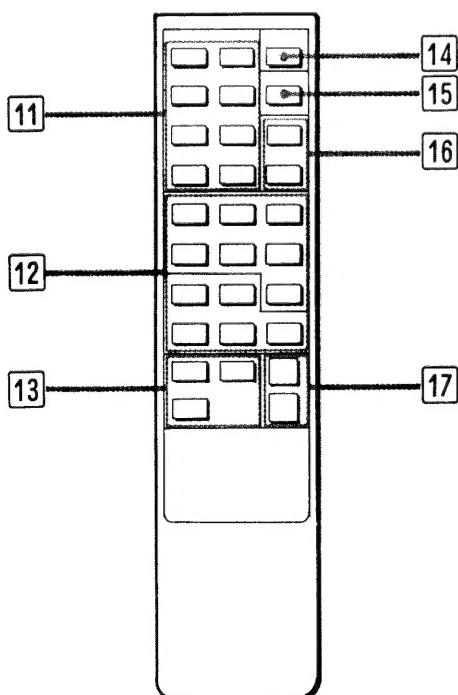
SECTION 1 GENERAL

1-1. LOCATION OF CONTROLS



- | | |
|---|---|
| <ul style="list-style-type: none"> 1 SYSTEM POWER switch 2 5 BAND SPECTRUM ANALYZER display 3 5 BAND STEREO GRAPHIC EQUALIZER controls and indicators 4 VOLUME control 5 SPEAKERS selector | <ul style="list-style-type: none"> 6 HEADPHONES jack (stereo phone jack) 7 Remote control sensor 8 Function selectors 9 DBFB (Dynamic Bass Feedback) switch and indicator 10 BALANCE control |
|---|---|

RM-S104

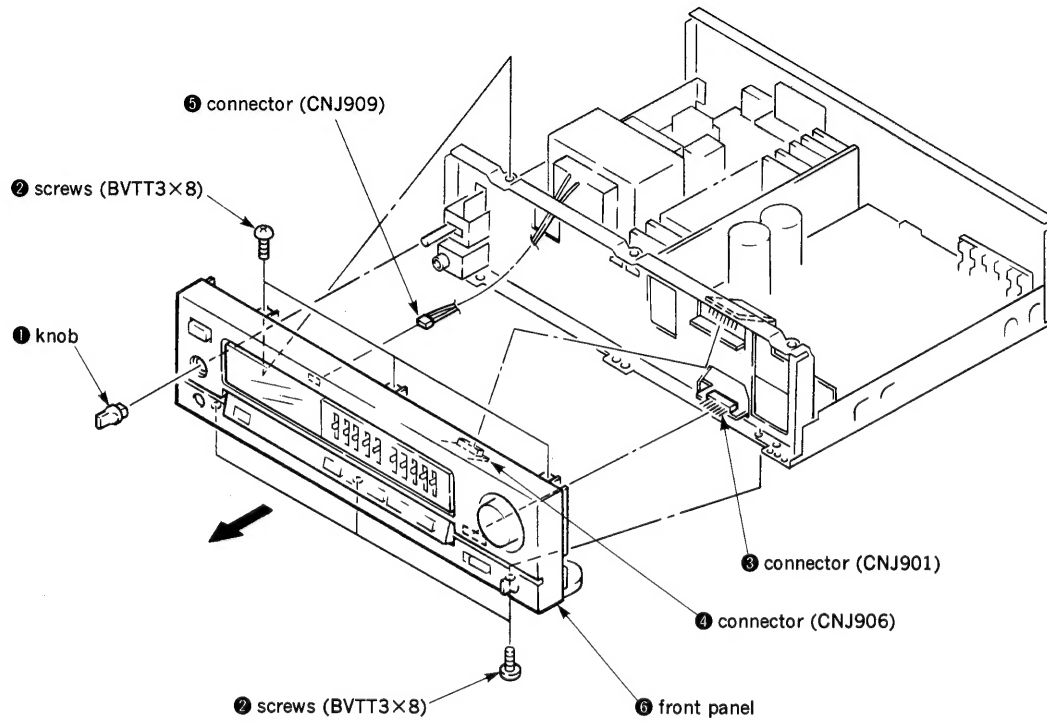


- 11 CD player operation buttons
CD ►: Selects the CD function and starts CD playback.
- 12 Tape deck operation buttons
DECK B operation buttons (also for single tape deck)
DECK B ◀/▶: Select tape function (DECK B) and start tape playback.
●: Operates only when it is pressed together with DECK B ◀/▶.
DECK A operation buttons
DECK A ◀/▶: Select tape function (DECK A) and start tape playback.
- 13 Function selectors
- 14 POWER button
- 15 DBFB button
- 16 TUNER PRESET buttons
- 17 VOL (volume) control buttons

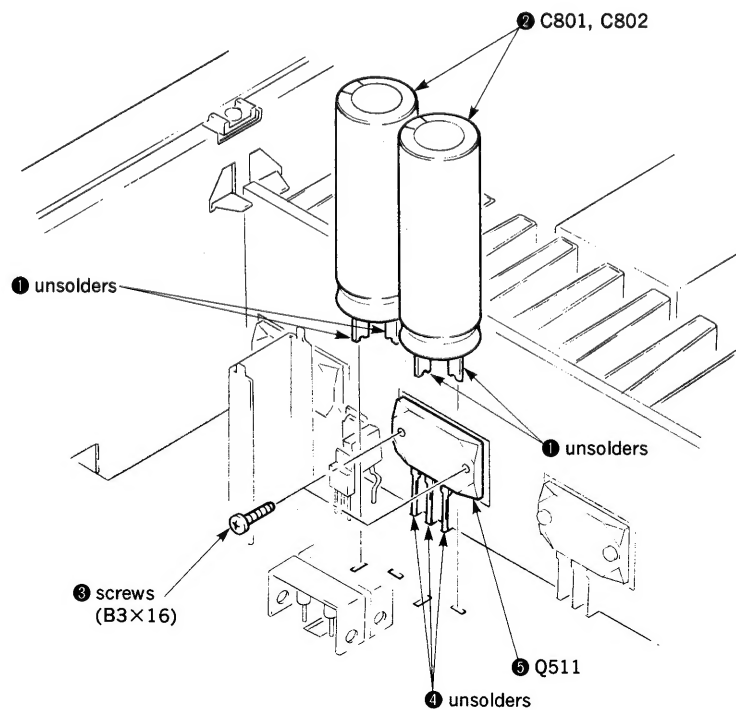
SECTION 2 DISASSEMBLY

Note: Follow the disassembly procedure in the numerical order given.

2-1. REMOVAL OF THE FRONT PANEL



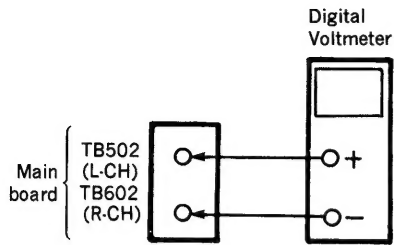
2-2. REMOVAL OF THE Q511



SECTION 3 ELECTRICAL ADJUSTMENT

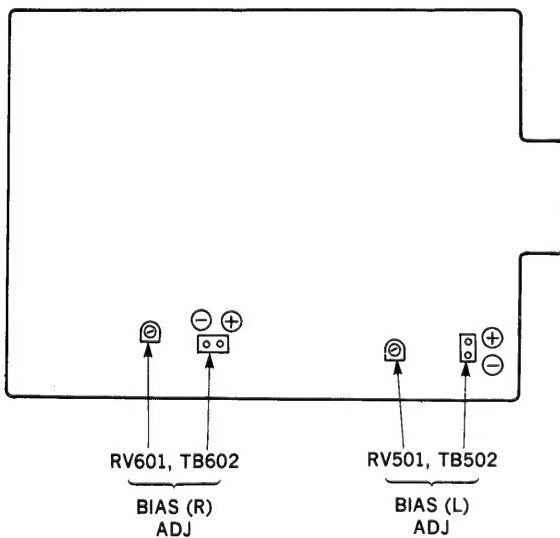
Bias Adjustment

Procedure :



1. Turn ON the power by connecting a digital voltmeter with test pins TB502 (L-CH) and TB602 (R-CH).
2. Adjust to 1.5mV with RV501 (L-CH) and RV601 (R-CH) so that the indicator of digital voltmeter when the power is turned ON.

Adjustment Location : main board

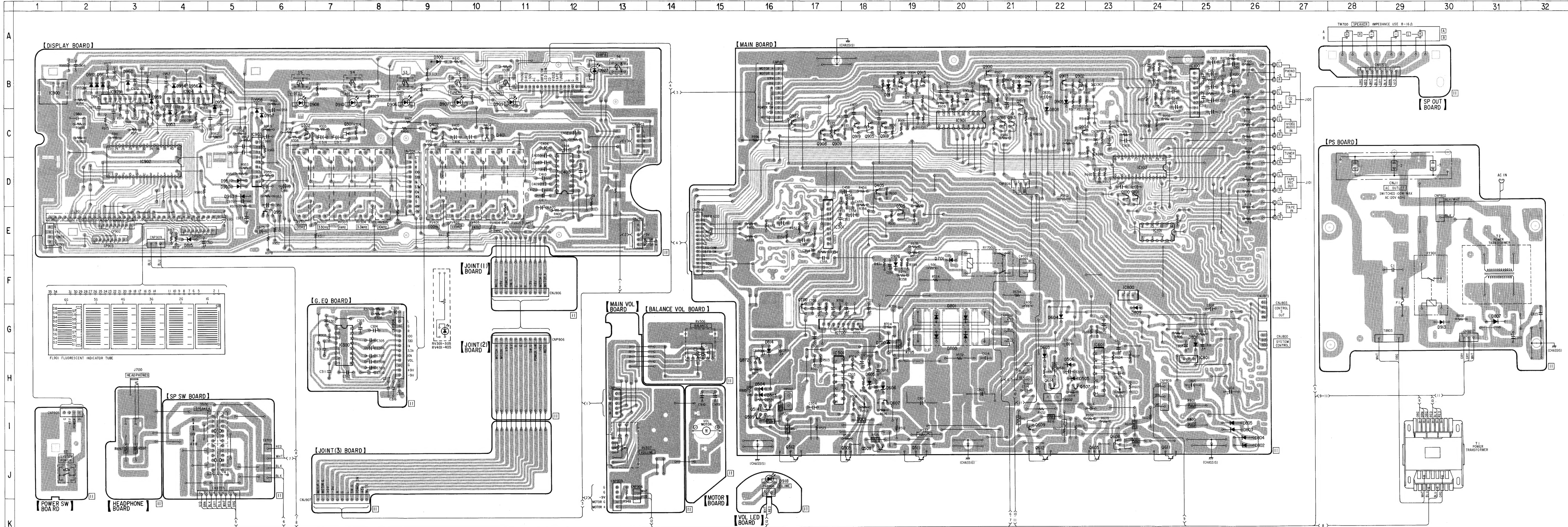


4-3. PRINTED WIRING BOARDS
• Refer to page 22 for Semiconductor Lead Layouts.

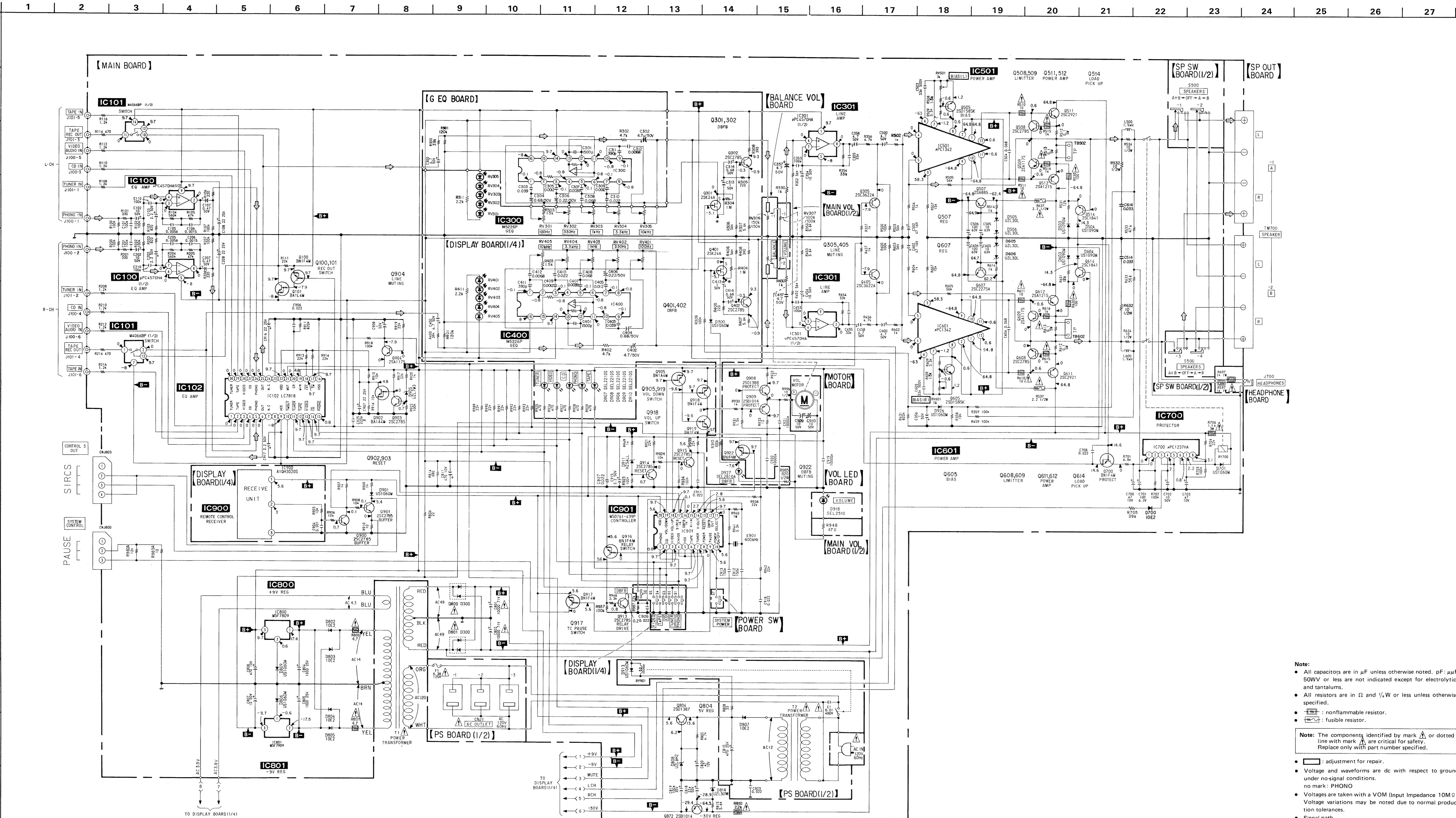
• Semiconductor Location

Ref. No.	Location	Ref. No.	Location
D300	B-9	IC902	D-3
D503	H-16	IC903	C-5
D504	H-16	IC904	B-4
D505	H-22	IC905	B-3
D506	H-22		
D603	H-22	Q100	D-23
D604	G-22	Q101	D-23
D605	H-18	Q301	C-7
D606	H-18	Q302	C-6
D700	G-17	Q305	E-19
D701	F-20	Q401	C-10
D800	G-20	Q402	C-9
D801	G-20	Q405	D-18
D802	I-26	Q505	I-18
D803	I-26	Q507	H-22
D804	I-26	Q508	I-18
D805	I-26	Q509	I-16
D806	G-25	Q511	J-19
D807	G-31	Q512	I-16
D808	C-22	Q514	I-16
D809	G-23	Q605	J-23
D814	H-16	Q607	I-18
D815	E-4	Q608	I-23
D901	B-21	Q609	I-21
D905	B-22	Q611	J-24
D906	B-8	Q612	J-22
D907	B-9	Q614	H-22
D908	B-6	Q700	G-17
D909	B-11	Q804	B-22
D910	B-7	Q872	H-16
D911	B-18	Q900	B-20
D913	G-30	Q901	B-21
D918	J-16	Q902	B-22
D926	F-19	Q903	B-22
D927	B-12	Q904	C-22
D950	D-5	Q905	C-18
D951	D-5	Q908	C-17
D952	B-2	Q909	C-17
D953	C-4	Q913	C-21
D954	B-4	Q914	B-19
D955	B-5	Q915	B-19
D956	B-4	Q916	C-21
D957	C-6	Q917	B-21
D958	B-5	Q918	C-18
D959	B-3	Q919	C-18
D960	B-3	Q922	C-16
D961	B-2	Q951	E-6
D962	B-2		
D963	D-5		
IC100	B-25		
IC101	E-24		
IC102	D-24		
IC300	G-7		
IC301	E-17		
IC400	D-12		
IC501	H-17		
IC601	H-23		
IC700	G-17		
IC800	F-23		
IC801	H-25		
IC900	B-1		
IC901	C-20		

Note:
• ○ : parts extracted from the component side.



4-4. SCHEMATIC DIAGRAM —MAIN SECTION—
• Refer to page 22 for IC Block Diagrams.



Note:

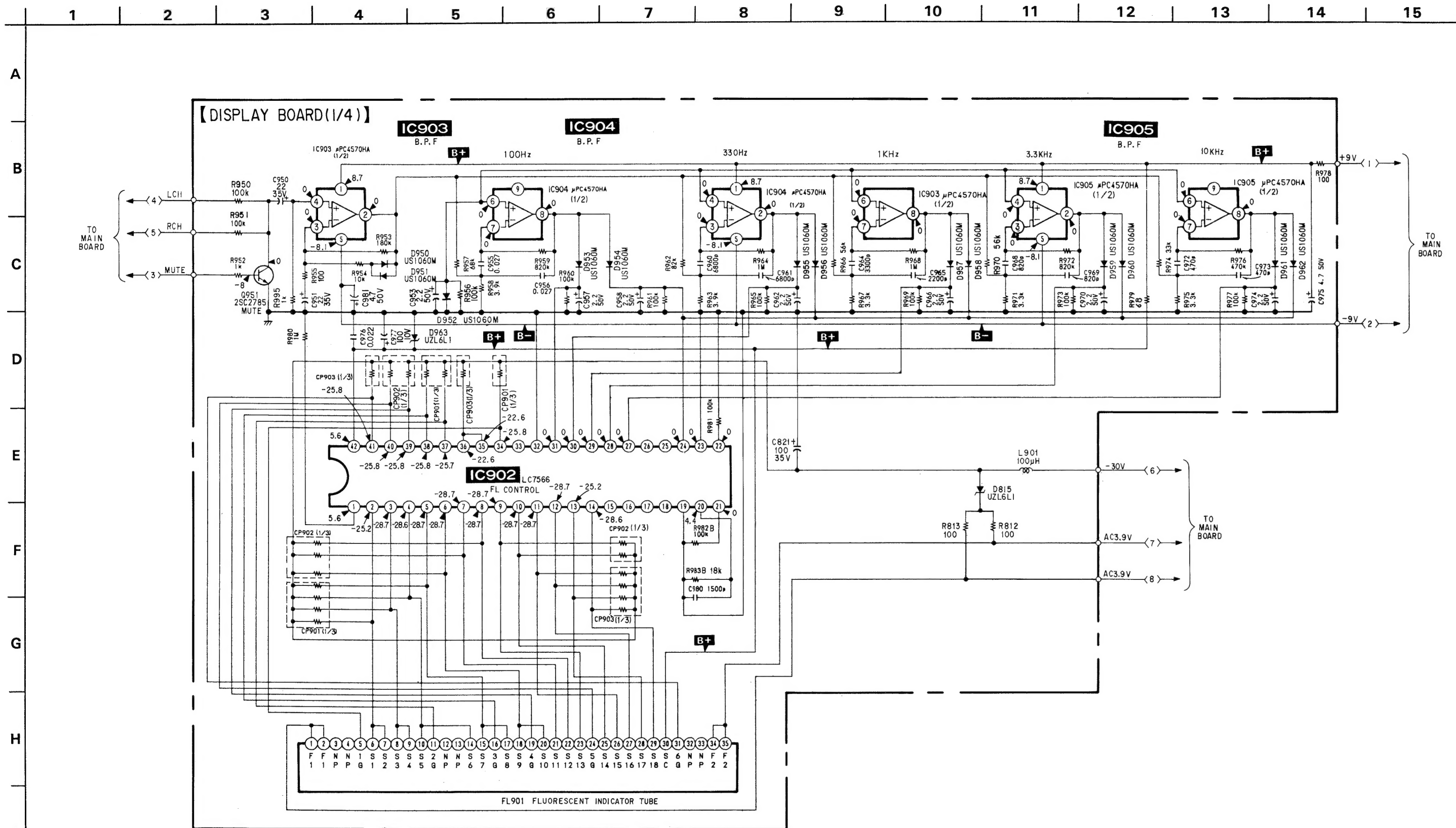
- All capacitors are in μF unless otherwise noted. pF : μF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $\frac{1}{4}\text{W}$ or less unless otherwise specified.
- R : nonflammable resistor.
- F : fusible resistor.

Note: The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

• \square : adjustment for repair.

- Voltage and waveforms are dc with respect to ground under no-signal conditions. no mark: PHONO
- Voltages are taken with a VOM (Input Impedance 10M Ω). Voltage variations may be noted due to normal production tolerances.
- Signal path: \Rightarrow : PHONO

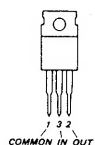
4-5. SCHEMATIC DIAGRAM —DISPLAY SECTION—



Note:

- All capacitors are in μF unless otherwise noted. pF: μpF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $\frac{1}{4}\text{W}$ or less unless otherwise specified.
- Voltage and waveforms are dc with respect to ground under no-signal conditions.
no mark: **PHONO**
- Voltages are taken with a VOM (Input Impedance $10\text{M}\Omega$). Voltage variations may be noted due to normal production tolerances:

M5F7909
RC7809FA



A diagram of a three-pin plug. The pins are labeled B, C, and E from left to right. Pin B is the shortest, pin C is of medium length, and pin E is the longest.

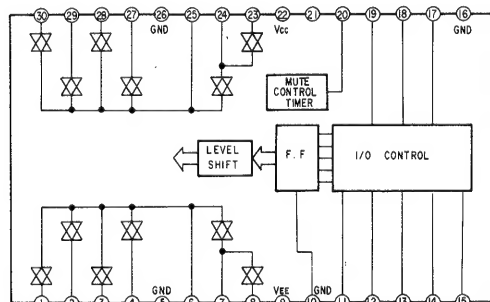
A diagram of a three-core cable. It consists of a central core labeled 'C' and two outer cores labeled 'E' and 'R'. The cores are bundled together within a common outer sheath.

letter side

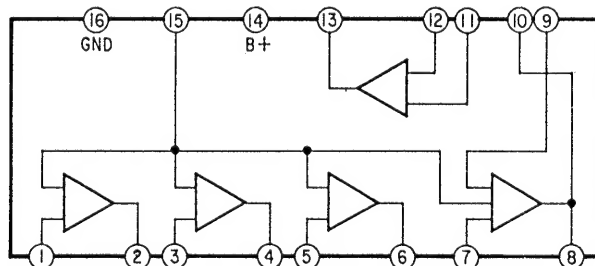
B

A diagram of a three-pin plug. The top part is a rectangular body with a circular hole. Below it are three vertical pins. The left pin is labeled 'B', the middle pin is labeled 'C', and the right pin is labeled 'E'.

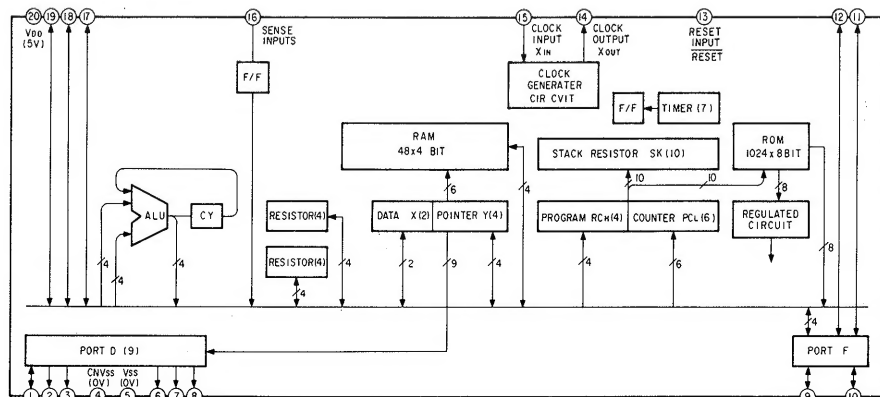
A diagram of a diode symbol. It consists of a horizontal line with a vertical line intersecting it at its center. The vertical line is labeled "long anode" and the horizontal line is labeled "short cathode".

IC102 LC7818

IC300, 400 M5226P



IC901 R50761-439P



SECTION 5 EXPLODED VIEWS

NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.



- Due to standardization, parts with part number suffix -XX and -X may be different from the parts specified in the components used on the set.

- Color Indication of Appearance Parts
Example:

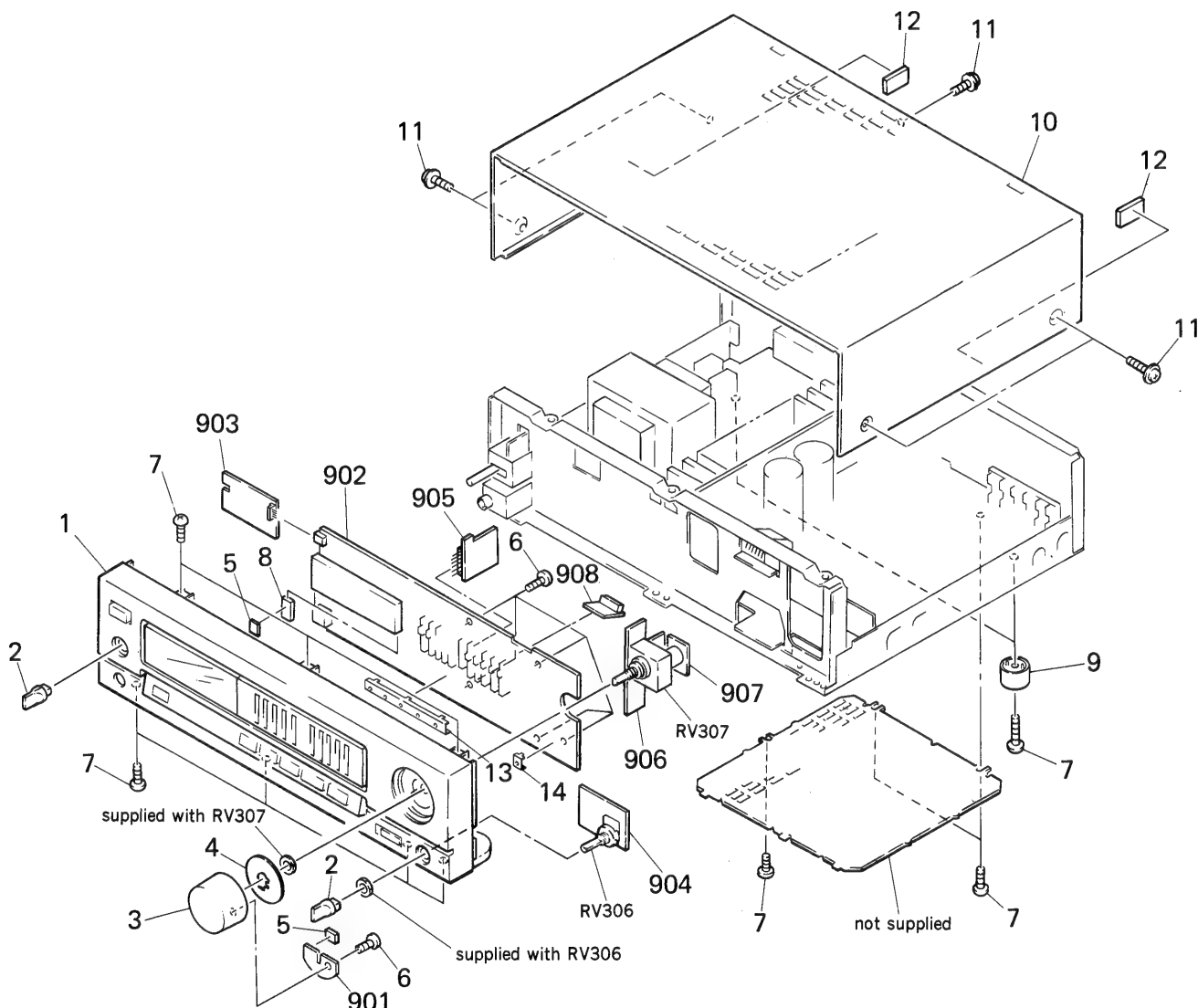
(RED) ... KNOB, BALANCE (WHITE)

↑
Cabinet's Color

↑
Parts Color

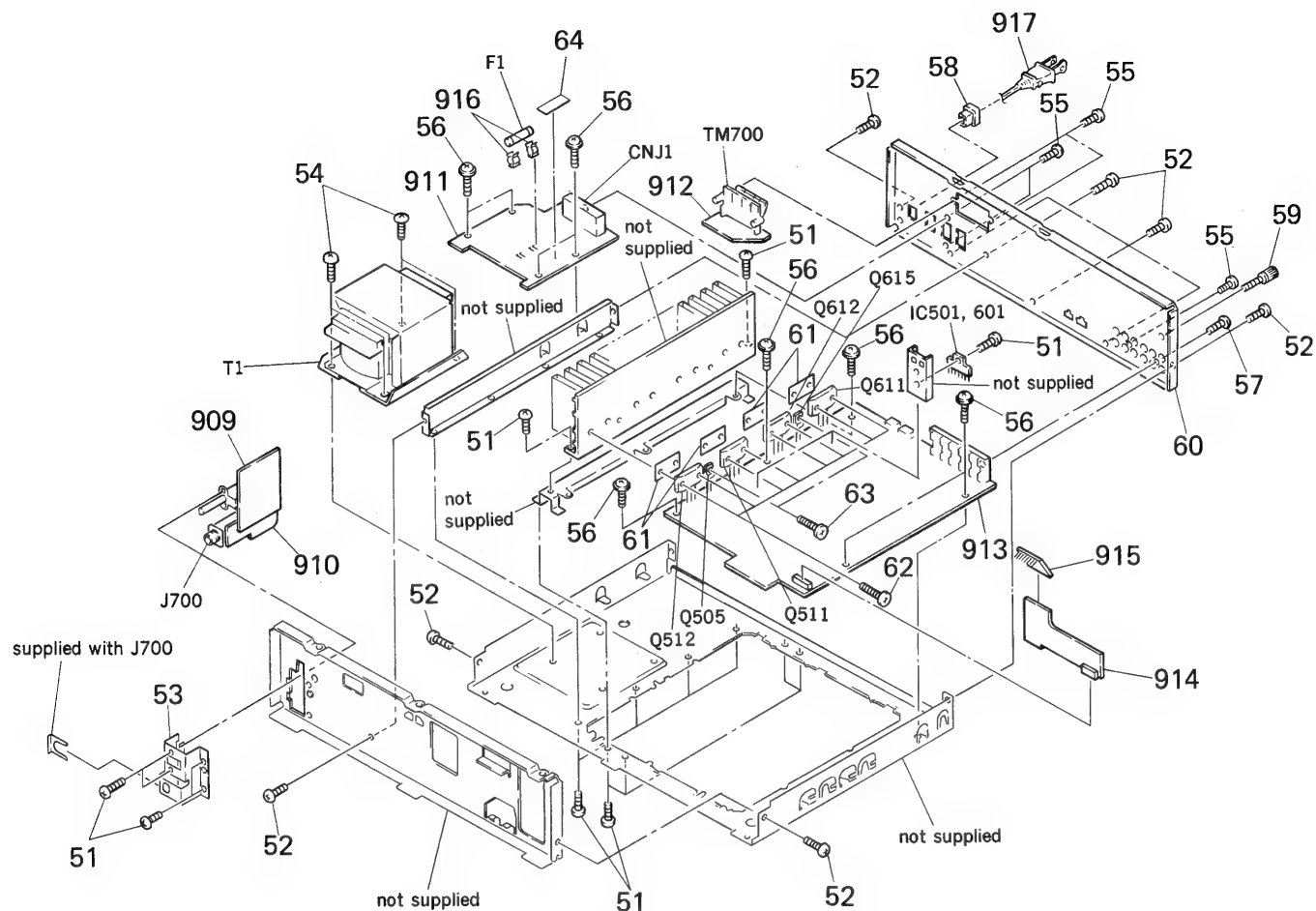
The components identified by mark  or dotted line with mark  are critical for safety. Replace only with part number specified.



5-1. CASE, FRONT PANEL SECTION







Ref.No	Part No.	Description	Remarks	Ref.No	Part No.	Description	Remarks
1	X-4911-214-1	PANEL ASSY, FRONT		13	*4-927-892-01	HOLDER (5 GANG), LED	
2	4-908-097-21	KNOB		14	*4-927-893-01	HOLDER, LED	
3	4-925-121-01	KNOB (V2)		901	*1-634-549-11	PC BOARD, VOL LED	
4	★4-931-603-11	SPACER		902	*A-4334-261-A	MOUNTED PCB, DISPLAY	
5	*4-921-941-01	CUSHION (FL)		903	*1-634-550-11	PC BOARD, POWER SW	
6	4-928-635-01	SCREW, +BV (2.6X8) TAPPING		904	*1-634-552-11	PC BOARD, BALANCE VOL	
7	7-682-548-04	SCREW +BVTT 3X8 (S)		905	*1-634-561-11	PC BOARD, G.EQ	
8	*4-924-989-11	HOLDER (FL TUBE)		906	*1-634-551-11	PC BOARD, MAIN VOL	
9	4-930-848-01	FOOT		907	*1-634-553-11	PC BOARD, MOTOR	
10	4-924-920-71	CASE		908	*1-634-558-11	PC BOARD, JOINT (A)	
11	3-704-366-01	SCREW (CASE) (M3X8)		RV306	1-241-022-11	RES, VAR, CARBON 150K/150K (BALANCE)	
12	9-911-841-XX	CUSHION		RV307	1-238-079-11	RES, VAR, CARBON(MOTOR) 100KX2 (VOLUME)	

5-2. CHASSIS SECTION



Note: The components identified by mark  or dotted line with mark  are critical for safety. Replace only with part number specified.

Ref.No	Part No.	Description	Remarks
51	7-682-548-04	SCREW +BVTT 3X8 (S)	
52	7-682-548-09	SCREW +BVTT 3X8 (S)	
53	*4-927-894-01	BRACKET (H.J)	
54	7-682-561-04	SCREW +BVTT 4X8 (S)	
55	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S	
56	2-383-566-00	SCREW	
57	7-621-849-00	SCREW, TAPPING	
58	*3-703-244-00	BUSHING (2104), CORD	
59	3-706-165-00	SCREW	
60	*4-927-883-01	PANEL, BACK	
61	4-885-901-31	SHEET, RADIATION	
62	7-682-552-09	SCREW +B 3X16	
64	*3-703-044-26	LABEL, CAUTION	
63	7-682-550-04	SCREW +BVTT 3X12 (S)	
909	*1-634-554-11	PC BOARD, SP SW	
910	*1-634-555-11	PC BOARD, HEADPHONE	
911	*1-634-548-11	PC BOARD, PS	
912	*1-634-556-11	PC BOARD, SP OUT	

Ref.No	Part No.	Description	Remarks
913	*A-4334-260-A	MOUNTED PCB, MAIN	
914	*1-634-559-11	PC BOARD, JOINT (B)	
915	*1-634-560-11	PC BOARD, JOINT (C)	
916	1-533-183-11	HOLDER, FUSE	
917	 1-575-105-11	CORD, POWER	
CNJ1	 1-540-062-11	OUTLET, AC (POLAR) (AC OUTLET)	
F1	 1-532-748-11	FUSE, GLASS TUBE	
IC501	8-759-144-04	IC UPC1342V	
IC601	8-759-144-04	IC UPC1342V	
J700	1-563-255-11	JACK, LARGE TYPE (HEADPHONES)	
Q505	8-729-107-26	TRANSISTOR 2SD1585-K	
Q511	8-729-320-97	TRANSISTOR 2SC2921M-OPY	
Q512	8-729-320-73	TRANSISTOR 2SA1215-OY	
Q605	8-729-107-26	TRANSISTOR 2SD1585-K	
Q611	8-729-320-97	TRANSISTOR 2SC2921M-OPY	
Q612	8-729-320-73	TRANSISTOR 2SA1215-OY	
T1	 1-450-068-11	TRANSFORMER, POWER	
TM700	1-536-706-00	TERMINAL BOARD (SP) (SPEAKER)	

SECTION 6

ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:MF: μ F, PF: μ F.**RESISTORS**

- All resistors are in ohms.
- F: nonflammable

COILS

- MMH: mH, UH: μ H

SEMICONDUCTORSIn each case, U: μ , for example:UA...: μ A..., UPA...: μ PA...,UPC...: μ PC, UPD...: μ PD...

The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

Ref.No	Part No.	Description	Ref.No	Part No.	Description			
901	*1-634-549-11	PC BOARD, VOL LED	C356	1-126-301-11	ELECT	1MF	20%	50V
902	*A-4334-261-A	MOUNTED PCB, DISPLAY	C357	1-124-045-00	ELECT	4.7MF	20%	50V
903	*1-634-550-11	PC BOARD, POWER SW	C358	1-124-045-00	ELECT	4.7MF	20%	50V
904	*1-634-552-11	PC BOARD, BALANCE VOL	C400	1-126-163-11	ELECT	4.7MF	20%	50V
905	*1-634-561-11	PC BOARD, G.EQ	C401	1-161-374-11	CERAMIC	0.0015MF	20%	16V
906	*1-634-551-11	PC BOARD, MAIN VOL	C402	1-126-163-11	ELECT	4.7MF	20%	50V
907	*1-634-553-11	PC BOARD, MOTOR	C403	1-161-020-11	CERAMIC	0.039MF	10%	16V
908	*1-634-558-11	PC BOARD, JOINT (A)	C404	1-124-254-00	ELECT	0.68MF	20%	50V
909	*1-634-554-11	PC BOARD, SP SW	C405	1-162-840-11	CERAMIC	0.012MF	10%	16V
910	*1-634-555-11	PC BOARD, HEADPHONE	C406	1-124-464-11	ELECT	0.22MF	20%	50V
911	*1-634-548-11	PC BOARD, PS	C407	1-161-044-00	CERAMIC	0.0039MF	10%	16V
912	*1-634-556-11	PC BOARD, SP OUT	C408	1-162-849-11	CERAMIC	0.068MF	10%	16V
913	*A-4334-260-A	MOUNTED PCB, MAIN	C409	1-161-040-00	CERAMIC	0.0012MF		16V
914	*1-634-559-11	PC BOARD, JOINT (B)	C410	1-161-494-00	CERAMIC	0.022MF		25V
915	*1-634-560-11	PC BOARD, JOINT (C)	C411	1-162-289-31	CERAMIC	390PF	10%	50V
916	1-533-183-11	HOLDER, FUSE	C412	1-161-329-00	CERAMIC	0.0068MF	20%	16V
917	Δ 1-575-105-11	CORD, POWER	C413	1-124-438-00	ELECT	1MF	20%	50V
CAPACITOR								
C1	Δ 1-161-744-00	CERAMIC						
C101	1-162-282-31	CERAMIC				0.01MF		400V
C102	1-126-059-11	ELECT				10MF	10%	50V
C103	1-126-161-11	ELECT				2.2MF	20%	50V
C105	1-130-480-00	MYLAR				0.0056MF	5%	50V
C106	1-130-473-00	MYLAR				0.0015MF	5%	50V
C107	1-126-300-11	ELECT				0.47MF	20%	50V
C108	1-126-049-11	ELECT				22MF	20%	25V
C110	1-162-282-31	CERAMIC				100PF	10%	50V
C201	1-162-282-31	CERAMIC				100PF	10%	50V
C202	1-126-059-11	ELECT				10MF	20%	50V
C203	1-126-161-11	ELECT				2.2MF	20%	50V
C205	1-130-480-00	MYLAR				0.0056MF	5%	50V
C206	1-130-473-00	MYLAR				0.0015MF	5%	50V
C207	1-126-300-11	ELECT				0.47MF	20%	50V
C208	1-126-049-11	ELECT				22MF	20%	25V
C210	1-162-282-31	CERAMIC				100PF	10%	50V
C300	1-126-163-11	ELECT				4.7MF	20%	50V
C301	1-161-374-11	CERAMIC				0.0015MF	20%	16V
C302	1-126-163-11	ELECT				4.7MF	20%	50V
C303	1-161-020-11	CERAMIC				0.039MF	10%	16V
C304	1-124-254-00	ELECT				0.68MF	20%	50V
C305	1-162-840-11	CERAMIC				0.012MF	10%	16V
C306	1-124-464-11	ELECT				0.22MF	20%	50V
C307	1-161-044-00	CERAMIC				0.0039MF	10%	16V
C308	1-162-849-11	CERAMIC				0.068MF	10%	16V
C309	1-161-040-00	CERAMIC				0.0012MF		16V
C310	1-161-494-00	CERAMIC				0.022MF		25V
C311	1-162-289-31	CERAMIC				390PF	10%	50V
C312	1-161-329-00	CERAMIC				0.0068MF	20%	16V
C313	1-124-438-00	ELECT				1MF	20%	50V
C314	1-124-254-00	ELECT				0.68MF	20%	50V
C353	1-162-282-31	CERAMIC				100PF	10%	50V
C354	1-126-059-11	ELECT				10MF	20%	50V
C355	1-162-211-31	CERAMIC				33PF	5%	50V
C455	1-162-211-31	CERAMIC				33PF	5%	50V
C457	1-124-045-00	ELECT				4.7MF	20%	50V
C458	1-124-045-00	ELECT				4.7MF	20%	50V
C500	1-124-045-00	ELECT				4.7MF	20%	50V
C502	1-126-022-11	ELECT				47MF	20%	16V
C503	1-102-233-00	CERAMIC				33PF	10%	500V
C504	1-136-163-00	FILM				0.068MF	5%	50V
C505	1-126-876-11	ELECT				10MF	20%	63V
C506	1-126-880-11	ELECT				100MF	20%	63V
C514	1-136-159-00	FILM				0.033MF	5%	50V
C600	1-124-045-00	ELECT				4.7MF	20%	50V
C602	1-126-022-11	ELECT				47MF	20%	16V
C603	1-102-233-00	CERAMIC				33PF	10%	500V
C604	1-136-163-00	FILM				0.068MF	5%	50V
C605	1-126-876-11	ELECT				10MF	20%	63V
C606	1-126-880-11	ELECT				100MF	20%	63V
C614	1-136-159-00	FILM				0.033MF	5%	50V
C700	1-126-022-11	ELECT				47MF	20%	10V
C701	1-124-443-00	ELECT				100MF	20%	6.3V
C702	1-126-059-11	ELECT				10MF	20%	50V
C703	1-126-022-11	ELECT				47MF	20%	10V
C708	1-161-494-00	CERAMIC				0.022MF		25V
C801	Δ 1-126-358-11	ELECT				10000MF	20%	71V
C802	Δ 1-126-358-11	ELECT				10000MF	20%	71V
C804	1-126-027-11	ELECT				1000MF	20%	25V
C805	1-126-027-11	ELECT				1000MF	20%	25V
C807	1-126-059-11	ELECT				10MF	20%	50V
C808	1-124-997-11	ELECT				470MF	20%	10V
C810	1-126-376-11	ELECT				470MF	20%	25V
C811	1-124-997-11	ELECT				470MF	20%	10V
C818	1-126-233-11	ELECT				22MF	20%	50V
C819	1-124-122-11	ELECT				100MF	20%	35V
C820	1-126-022-11	ELECT				47MF	20%	10V
C821	1-124-122-11	ELECT				100MF	20%	35V
C823	1-161-494-00	CERAMIC				0.022MF		25V

Ref.No	Part No.	Description			
C904	1-130-471-00	MYLAR	0.001MF	5%	50V
C906	1-161-494-00	CERAMIC	0.022MF		25V
C907	1-126-049-11	ELECT	22MF	20%	25V
C908	1-126-301-11	ELECT	1MF	20%	50V
C909	1-126-059-11	ELECT	10MF	20%	50V
C910	1-126-059-11	ELECT	10MF	20%	50V
C911	1-161-494-00	CERAMIC	0.022MF		25V
C912	1-101-361-00	CERAMIC	150PF	5%	50V
C913	1-101-361-00	CERAMIC	150PF	5%	50V
C915	1-126-161-11	ELECT	2.2MF	20%	50V
C916	1-126-049-11	ELECT	22MF	20%	25V
C917	1-126-161-11	ELECT	2.2MF	20%	50V
C918	1-161-494-00	CERAMIC	0.022MF		25V
C919	1-162-306-11	CERAMIC	0.01MF	20%	16V
C920	1-162-306-11	CERAMIC	0.01MF	20%	16V
C921	1-162-306-11	CERAMIC	0.01MF	20%	16V
C925	1-162-286-31	CERAMIC	220PF	10%	50V
C926	1-161-494-00	CERAMIC	0.022MF		25V
C927	1-161-494-00	CERAMIC	0.022MF		25V
C950	1-123-357-00	ELECT	22MF	20%	35V
C951	1-123-357-00	ELECT	22MF	20%	35V
C953	1-124-257-00	ELECT	2.2MF	20%	50V
C955	1-136-158-00	FILM	0.027MF	5%	50V
C956	1-136-158-00	FILM	0.027MF	5%	50V
C957	1-124-257-00	ELECT	2.2MF	20%	50V
C958	1-124-257-00	ELECT	2.2MF	20%	50V
C960	1-161-329-00	CERAMIC	0.0068MF	20%	16V
C961	1-161-329-00	CERAMIC	0.0068MF	20%	16V
C962	1-124-257-00	ELECT	2.2MF	20%	50V
C964	1-161-327-00	CERAMIC	0.0033MF	20%	16V
C965	1-161-375-00	CERAMIC	0.0022MF	20%	16V
C966	1-124-257-00	ELECT	2.2MF	20%	50V
C968	1-162-293-31	CERAMIC	820PF	10%	50V
C969	1-162-293-31	CERAMIC	820PF	10%	50V
C970	1-124-257-00	ELECT	2.2MF	20%	50V
C972	1-162-290-31	CERAMIC	470PF	10%	50V
C973	1-162-290-31	CERAMIC	470PF	10%	50V
C974	1-124-257-00	ELECT	2.2MF	20%	50V
C975	1-126-163-11	ELECT	4.7MF	20%	50V
C976	1-161-494-00	CERAMIC	0.022MF		25V
C977	1-124-443-00	ELECT	100MF	20%	10V
C980	1-161-374-11	CERAMIC	0.0015MF	20%	16V
C981	1-126-163-11	ELECT	4.7MF	20%	50V
CNJ1	△ 1-540-062-11	OUTLET, AC (POLAR) (AC OUTLET)			
CNJ800	* 1-566-210-11	PIN, CONNECTOR 3P (SYSTEM CONTROL)			
CNJ803	* 1-566-213-11	PIN, CONNECTOR 4P (CONTROL S OUT)			
CNJ901	* 1-565-354-11	SOCKET, CONNECTOR 15P			
CNJ902	* 1-561-650-00	SOCKET, CONNECTOR 5P			
CNJ903	* 1-561-650-00	SOCKET, CONNECTOR 5P			
CNJ904	* 1-561-652-00	SOCKET, CONNECTOR 12P			
CNJ905	* 1-565-296-11	SOCKET, CONNECTOR 4P			
CNJ906	* 1-569-597-11	HOUSING, CONNECTOR 11P			
CNJ907	* 1-562-935-11	SOCKET, CONNECTOR 11P			
CNP701	* 1-569-598-11	PIN, CONNECTOR 2P			
CNP702	* 1-569-598-11	PIN, CONNECTOR 2P			
CNP802	* 1-564-321-00	PIN, CONNECTOR 2P			
CNP806	* 1-569-596-11	PLUG, CONNECTOR 3P			
CNP808	* 1-569-599-11	PIN, CONNECTOR 3P			
CNP809	* 1-569-599-11	PIN, CONNECTOR 3P			
CNP901	* 1-565-353-11	PIN, CONNECTOR 15P			
CNP902	* 1-506-906-11	PIN, CONNECTOR 5P			
CNP903	* 1-506-906-11	PIN, CONNECTOR 5P			
CNP904	* 1-560-443-11	PIN, CONNECTOR 12P			
CNP905	* 1-565-295-11	PLUG, CONNECTOR 4P			
CNP906	* 1-566-690-11	(MAIN VOL), PLUG, CONNECTOR (2.5MM) 2P			

Ref.No	Part No.	Description
CNP906	* 1-569-602-11	(MAIN)....PIN, CONNECTOR 11P
CNP906	* 1-569-614-11	PLUG, CONNECTOR 2P
CNP907	* 1-569-602-11	PIN, CONNECTOR 11P
CNP909	* 1-508-912-00	PIN, CONNECTOR, 3P
CP901	1-233-081-11	COMPOSITION CIRCUIT BLOCK
CP902	1-233-081-11	COMPOSITION CIRCUIT BLOCK
CP903	1-233-081-11	COMPOSITION CIRCUIT BLOCK
D300	8-719-912-20	DIODE 1SS120
D503	8-719-815-85	DIODE 1S1585
D504	8-719-815-85	DIODE 1S1585
D505	8-719-934-21	DIODE HZS30-1L
D506	8-719-934-21	DIODE HZS30-1L
D603	8-719-815-85	DIODE 1S1585
D604	8-719-815-85	DIODE 1S1585
D605	8-719-934-21	DIODE HZS30-1L
D606	8-719-934-21	DIODE HZS30-1L
D700	8-719-200-23	DIODE 11E2
D701	8-719-912-20	DIODE 1SS120
D800	△ 8-719-200-80	DIODE D300
D801	△ 8-719-200-80	DIODE D300
D802	8-719-200-02	DIODE 10E2
D803	8-719-200-02	DIODE 10E2
D804	8-719-200-02	DIODE 10E2
D805	8-719-200-02	DIODE 10E2
D806	8-719-912-20	DIODE 1SS120
D807	8-719-200-77	DIODE 10E2N
D808	8-719-933-40	DIODE HZS602L
D809	8-719-912-20	DIODE 1SS120
D814	8-719-934-22	DIODE HZS30-2L
D815	8-719-933-33	DIODE HZS6A1L
D901	8-719-912-20	DIODE 1SS120
D905	8-719-933-48	DIODE HZS7B3L
D906	8-719-301-38	DIODE SEL2210S-C
D907	8-719-301-38	DIODE SEL2210S-C
D908	8-719-301-38	DIODE SEL2210S-C
D909	8-719-301-38	DIODE SEL2210S-C
D910	8-719-301-38	DIODE SEL2210S-C
D911	8-719-951-11	DIODE HZ5ALL
D913	8-719-912-20	DIODE 1SS120
D918	8-719-303-00	DIODE SEL2510C
D926	8-719-912-20	DIODE 1SS120
D927	8-719-301-52	DIODE SEL2810A-C
D950	8-719-912-20	DIODE 1SS120
D951	8-719-912-20	DIODE 1SS120
D952	8-719-912-20	DIODE 1SS120
D953	8-719-912-20	DIODE 1SS120
D954	8-719-912-20	DIODE 1SS120
D955	8-719-912-20	DIODE 1SS120
D956	8-719-912-20	DIODE 1SS120
D957	8-719-912-20	DIODE 1SS120
D958	8-719-912-20	DIODE 1SS120
D959	8-719-912-20	DIODE 1SS120
D960	8-719-912-20	DIODE 1SS120
D961	8-719-912-20	DIODE 1SS120
D962	8-719-912-20	DIODE 1SS120
D963	8-719-933-33	DIODE HZS6A1L
F1	△ 1-532-748-11	FUSE, GLASS TUBE
FL901	1-519-520-11	INDICATOR TUBE, FLUORESCENT
IC100	8-759-112-93	IC UPC4570HA-1
IC101	8-759-208-14	IC TC4066BPHB
IC102	8-759-802-52	IC LC7818
IC300	8-759-602-04	IC M5226P
IC301	8-759-112-93	IC UPC4570HA-1



Note: The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

Ref.No	Part No.	Description
IC400	8-759-602-04	IC M5226P
IC501	8-759-144-04	IC UPC1342V
IC601	8-759-144-04	IC UPC1342V
IC700	8-759-111-68	IC UPC1237HA
IC800	8-759-982-10	IC RC7809FA
IC801	8-759-604-49	IC M5F7909
IC900	8-749-920-59	IC A1QH3020S
IC901	8-759-632-61	IC M50761-258P
IC902	8-759-820-07	IC LC7566
IC903	8-759-112-93	IC UPC4570HA-1
IC904	8-759-112-93	IC UPC4570HA-1
IC905	8-759-112-93	IC UPC4570HA-1
J100	1-565-320-11	JACK, PIN 6P (PHONO/CD/VIDEO AUDIO IN)
J101	1-565-320-11	JACK, PIN 6P (TUNER/TAPE IN, TAPE REC OUT)
J700	1-507-863-51	JACK, LARGE TYPE (HEADPHONES)
L500	*1-420-872-00	COIL, AIR CORE
L600	*1-420-872-00	COIL, AIR CORE
L901	1-410-521-11	INDUCTOR 100UH
Q100	8-729-900-63	TRANSISTOR DTA124ES
Q101	8-729-900-89	TRANSISTOR DTC144ES
Q301	8-729-224-63	TRANSISTOR 2SK246-BL
Q302	8-729-620-05	TRANSISTOR 2SC2603-EF
Q305	8-729-141-26	TRANSISTOR 2SC3622A-LK
Q401	8-729-224-63	TRANSISTOR 2SK246-BL
Q402	8-729-620-05	TRANSISTOR 2SC2603-EF
Q405	8-729-141-26	TRANSISTOR 2SC3622A-LK
Q505	8-729-107-26	TRANSISTOR 2SD1585-K
Q507	8-729-141-10	TRANSISTOR 2SA985A-QP
Q508	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q509	8-729-119-76	TRANSISTOR 2SA1115-HFE
Q511	8-729-320-97	TRANSISTOR 2SC2921M-OPY
Q512	8-729-320-73	TRANSISTOR 2SA1215-OY
Q514	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA
Q605	8-729-107-26	TRANSISTOR 2SD1585-K
Q607	8-729-107-53	TRANSISTOR 2SA1841-PAFAEA
Q608	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q609	8-729-119-76	TRANSISTOR 2SA1115-HFE
Q611	8-729-320-97	TRANSISTOR 2SC2921M-OPY
Q612	8-729-320-73	TRANSISTOR 2SA1215-OY
Q614	8-729-140-84	TRANSISTOR 2SA1841-PAFAEA
Q700	8-729-900-63	TRANSISTOR DTA124ES
Q804	8-729-801-93	TRANSISTOR 2SD1387
Q872	8-729-118-01	TRANSISTOR 2SB1116
Q900	8-729-620-05	TRANSISTOR 2SC2603-EF
Q901	8-729-620-05	TRANSISTOR 2SC2603-EF
Q902	8-729-900-80	TRANSISTOR DTC114ES
Q903	8-729-620-05	TRANSISTOR 2SC2603-EF
Q904	8-729-119-76	TRANSISTOR 2SA1115-HFE
Q905	8-729-900-61	TRANSISTOR DTA114ES
Q908	8-729-111-29	TRANSISTOR 2SD1616A-K
Q909	8-729-118-01	TRANSISTOR 2SB1116
Q913	8-729-620-05	TRANSISTOR 2SC2603-EF
Q914	8-729-620-05	TRANSISTOR 2SC2603-EF
Q915	8-729-620-05	TRANSISTOR 2SC2603-EF
Q916	8-729-900-63	TRANSISTOR DTA124ES
Q917	8-729-900-63	TRANSISTOR DTA124ES
Q918	8-729-900-63	TRANSISTOR DTA124ES
Q919	8-729-900-36	TRANSISTOR DTC124ES
Q922	8-729-900-63	TRANSISTOR DTA124ES
RESISTOR		
R100	1-249-441-11	CARBON 100K 5% 1/4W
R101	1-249-411-11	CARBON 330 5% 1/4W
R102	1-249-441-11	CARBON 100K 5% 1/4W

Ref.No	Part No.	Description
R103	1-249-416-11	CARBON 820 5% 1/4W
R104	1-247-897-11	CARBON 560K 5% 1/4W
R105	1-249-437-11	CARBON 47K 5% 1/4W
R106	1-249-409-11	CARBON 220 5% 1/4W
R107	1-249-441-11	CARBON 100K 5% 1/4W
R108	1-249-418-11	CARBON 1.2K 5% 1/4W
R110	1-249-418-11	CARBON 1.2K 5% 1/4W
R111	1-249-433-11	CARBON 22K 5% 1/4W
R112	1-249-418-11	CARBON 1.2K 5% 1/4W
R114	1-249-413-11	CARBON 470 5% 1/4W
R116	1-249-418-11	CARBON 1.2K 5% 1/4W
R200	1-249-441-11	CARBON 100K 5% 1/4W
R201	1-249-411-11	CARBON 330 5% 1/4W
R202	1-249-441-11	CARBON 100K 5% 1/4W
R203	1-249-416-11	CARBON 820 5% 1/4W
R204	1-247-897-11	CARBON 560K 5% 1/4W
R205	1-249-437-11	CARBON 47K 5% 1/4W
R206	1-249-409-11	CARBON 220 5% 1/4W
R207	1-249-441-11	CARBON 100K 5% 1/4W
R208	1-249-418-11	CARBON 1.2K 5% 1/4W
R210	1-249-418-11	CARBON 1.2K 5% 1/4W
R212	1-249-418-11	CARBON 1.2K 5% 1/4W
R214	1-249-413-11	CARBON 470 5% 1/4W
R216	1-249-418-11	CARBON 1.2K 5% 1/4W
R300	1-249-436-11	CARBON 39K 5% 1/4W
R301	1-247-881-00	CARBON 120K 5% 1/4W
R302	1-249-425-11	CARBON 4.7K 5% 1/4W
R303	1-249-419-11	CARBON 1.5K 5% 1/4W
R304	1-247-903-00	CARBON 1M 5% 1/4W
R305	1-249-409-11	CARBON 220 5% 1/4W
R306	1-249-438-11	CARBON 56K 5% 1/4W
R307	1-249-426-11	CARBON 5.6K 5% 1/4W
R308	1-249-412-11	CARBON 390 5% 1/4W
R309	1-249-441-11	CARBON 100K 5% 1/4W
R310	1-249-441-11	CARBON 100K 5% 1/4W
R311	1-249-421-11	CARBON 2.2K 5% 1/4W
R327	1-249-417-11	CARBON 1K 5% 1/4W
R330	1-249-417-11	CARBON 1K 5% 1/4W
R352	1-249-438-11	CARBON 56K 5% 1/4W
R353	1-249-426-11	CARBON 5.6K 5% 1/4W
R354	1-249-435-11	CARBON 33K 5% 1/4W
R356	1-249-425-11	CARBON 4.7K 5% 1/4W
R358	1-249-429-11	CARBON 10K 5% 1/4W
R359	1-249-441-11	CARBON 100K 5% 1/4W
R400	1-249-436-11	CARBON 39K 5% 1/4W
R401	1-247-881-00	CARBON 120K 5% 1/4W
R402	1-249-425-11	CARBON 4.7K 5% 1/4W
R403	1-249-419-11	CARBON 1.5K 5% 1/4W
R404	1-247-903-00	CARBON 1M 5% 1/4W
R405	1-249-409-11	CARBON 220 5% 1/4W
R406	1-249-438-11	CARBON 56K 5% 1/4W
R407	1-249-426-11	CARBON 5.6K 5% 1/4W
R408	1-249-412-11	CARBON 390 5% 1/4W
R411	1-249-421-11	CARBON 2.2K 5% 1/4W
R427	1-249-417-11	CARBON 1K 5% 1/4W
R430	1-249-417-11	CARBON 1K 5% 1/4W
R431	1-247-901-11	CARBON 820K 5% 1/4W
R452	1-249-438-11	CARBON 56K 5% 1/4W
R453	1-249-426-11	CARBON 5.6K 5% 1/4W
R454	1-249-435-11	CARBON 33K 5% 1/4W
R456	1-249-425-11	CARBON 4.7K 5% 1/4W
R459	1-249-441-11	CARBON 100K 5% 1/4W
R500	1-249-441-11	CARBON 100K 5% 1/4W
R502	1-249-417-11	CARBON 1K 5% 1/4W
R503	1-249-438-11	CARBON 56K 5% 1/4W

Ref.No	Part No.	Description				
R504	1-249-417-11	CARBON	1K	5%	1/4W	
R505	1-249-438-11	CARBON	56K	5%	1/4W	
R507	1-249-431-11	CARBON	15K	5%	1/4W	
R508	1-249-419-11	CARBON	1.5K	5%	1/4W	
R509	1-249-423-11	CARBON	3.3K	5%	1/4W	
R510	△ 1-247-688-11	CARBON	10	5%	1/4W	F
R511	△ 1-247-688-11	CARBON	10	5%	1/4W	F
R512	1-214-789-00	METAL PLATE	0.1			
R513	1-214-789-00	METAL PLATE	0.1			
R514	1-249-417-11	CARBON	1K	5%	1/4W	
R515	△ 1-247-713-11	CARBON	1K	5%	1/4W	F
R516	△ 1-247-713-11	CARBON	1K	5%	1/4W	F
R530	△ 1-247-700-11	CARBON	100	5%	1/4W	F
R531	1-249-430-11	CARBON	12K	5%	1/4W	
R532	1-247-727-11	CARBON	10	5%	1/2W	
R533	1-249-437-11	CARBON	47K	5%	1/4W	
R534	1-247-727-11	CARBON	10	5%	1/2W	
R537	△ 1-212-942-00	FUSIBLE	2.2	5%	1/2W	F
R597	△ 1-215-869-11	METAL OXIDE	1K	5%	1W	F
R600	1-249-441-11	CARBON	100K	5%	1/4W	
R602	1-249-417-11	CARBON	1K	5%	1/4W	
R603	1-249-438-11	CARBON	56K	5%	1/4W	
R604	1-249-417-11	CARBON	1K	5%	1/4W	
R605	1-249-438-11	CARBON	56K	5%	1/4W	
R607	1-249-431-11	CARBON	15K	5%	1/4W	
R608	1-249-419-11	CARBON	1.5K	5%	1/4W	
R609	1-249-423-11	CARBON	3.3K	5%	1/4W	
R610	△ 1-247-688-11	CARBON	10	5%	1/4W	F
R611	△ 1-247-688-11	CARBON	10	5%	1/4W	F
R612	1-214-789-00	METAL PLATE	0.1			
R613	1-214-789-00	METAL PLATE	0.1			
R614	1-249-417-11	CARBON	1K	5%	1/4W	
R615	△ 1-247-713-11	CARBON	1K	5%	1/4W	F
R616	△ 1-247-713-11	CARBON	1K	5%	1/4W	F
R630	△ 1-247-700-11	CARBON	100	5%	1/4W	F
R631	1-249-430-11	CARBON	12K	5%	1/4W	
R632	1-247-727-11	CARBON	10	5%	1/2W	
R633	1-249-438-11	CARBON	56K	5%	1/4W	
R634	1-247-727-11	CARBON	10	5%	1/2W	
R637	△ 1-212-942-00	FUSIBLE	2.2	5%	1/2W	F
R697	△ 1-215-869-11	METAL OXIDE	1K	5%	1W	F
R701	1-249-427-11	CARBON	6.8K	5%	1/4W	
R702	1-249-441-11	CARBON	100K	5%	1/4W	
R703	1-249-441-11	CARBON	100K	5%	1/4W	
R704	1-249-433-11	CARBON	22K	5%	1/4W	
R705	1-249-436-11	CARBON	39K	5%	1/4W	
R706	△ 1-206-726-00	METAL OXIDE	1.1K	5%	3W	F
R800	△ 1-249-455-11	CARBON	4.7	5%	1/4W	F
R801	△ 1-249-455-11	CARBON	4.7	5%	1/4W	F
R805	1-249-425-11	CARBON	4.7K	5%	1/4W	
R806	1-249-397-11	CARBON	22	5%	1/4W	
R808	1-249-399-11	CARBON	33	5%	1/4W	
R810	△ 1-215-871-11	METAL OXIDE	2.2K	5%	1W	F
R812	1-249-405-11	CARBON	100	5%	1/4W	
R813	1-249-405-11	CARBON	100	5%	1/4W	
R814	1-249-415-11	CARBON	680	5%	1/4W	
R815	1-249-426-11	CARBON	5.6K	5%	1/4W	
R903	1-249-429-11	CARBON	10K	5%	1/4W	
R906	1-249-429-11	CARBON	10K	5%	1/4W	
R907	1-249-417-11	CARBON	1K	5%	1/4W	
R908	1-249-429-11	CARBON	10K	5%	1/4W	
R909	1-249-417-11	CARBON	1K	5%	1/4W	
R910	1-249-393-11	CARBON	10	5%	1/4W	
R911	1-247-901-11	CARBON	820K	5%	1/4W	
R913	1-249-433-11	CARBON	22K	5%	1/4W	

Ref.No	Part No.	Description				
R914	1-249-433-11	CARBON	22K	5%	1/4W	
R915	1-249-429-11	CARBON	10K	5%	1/4W	
R916	1-249-429-11	CARBON	10K	5%	1/4W	
R917	1-249-433-11	CARBON	22K	5%	1/4W	
R918	1-249-441-11	CARBON	100K	5%	1/4W	
R919	1-249-433-11	CARBON	22K	5%	1/4W	
R920	1-249-417-11	CARBON	1K	5%	1/4W	
R921	1-249-433-11	CARBON	22K	5%	1/4W	
R922	1-249-441-11	CARBON	100K	5%	1/4W	
R923	1-249-441-11	CARBON	100K	5%	1/4W	
R924	1-249-429-11	CARBON	10K	5%	1/4W	
R925	1-249-413-11	CARBON	470	5%	1/4W	
R926	1-249-413-11	CARBON	470	5%	1/4W	
R927	1-249-413-11	CARBON	470	5%	1/4W	
R928	1-249-413-11	CARBON	470	5%	1/4W	
R929	1-249-413-11	CARBON	470	5%	1/4W	
R930	1-249-417-11	CARBON	1K	5%	1/4W	
R931	1-249-419-11	CARBON	1.5K	5%	1/4W	
R932	1-249-394-11	CARBON	12	5%	1/4W	
R933	1-249-394-11	CARBON	12	5%	1/4W	
R934	1-249-441-11	CARBON	100K	5%	1/4W	
R937	1-249-441-11	CARBON	100K	5%	1/4W	
R938	1-249-433-11	CARBON	22K	5%	1/4W	
R939	1-249-433-11	CARBON	22K	5%	1/4W	
R940	1-247-903-00	CARBON	1M	5%	1/4W	
R941	1-249-423-11	CARBON	3.3K	5%	1/4W	
R942	1-249-433-11	CARBON	22K	5%	1/4W	
R946	1-249-423-11	CARBON	3.3K	5%	1/4W	
R948	1-249-413-11	CARBON	470	5%	1/4W	
R949	1-249-417-11	CARBON	1K	5%	1/4W	
R950	1-249-441-11	CARBON	100K	5%	1/4W	
R951	1-249-441-11	CARBON	100K	5%	1/4W	
R952	1-249-417-11	CARBON	1K	5%	1/4W	
R953	1-247-885-00	CARBON	180K	5%	1/4W	
R954	1-249-429-11	CARBON	10K	5%	1/4W	
R955	1-249-405-11	CARBON	100	5%	1/4W	
R956	1-249-441-11	CARBON	100K	5%	1/4W	
R957	1-249-439-11	CARBON	68K	5%	1/4W	
R958	1-249-424-11	CARBON	3.9K	5%	1/4W	
R959	1-247-901-11	CARBON	820K	5%	1/4W	
R960	1-249-441-11	CARBON	100K	5%	1/4W	
R961	1-249-441-11	CARBON	100K	5%	1/4W	
R962	1-249-440-11	CARBON	82K	5%	1/4W	
R963	1-249-424-11	CARBON	3.9K	5%	1/4W	
R964	1-247-903-00	CARBON	1M	5%	1/4W	
R965	1-249-441-11	CARBON	100K	5%	1/4W	
R966	1-249-438-11	CARBON	56K	5%	1/4W	
R967	1-249-423-11	CARBON	3.3K	5%	1/4W	
R968	1-247-903-00	CARBON	1M	5%	1/4W	
R969	1-249-441-11	CARBON	100K	5%	1/4W	
R970	1-249-438-11	CARBON	56K	5%	1/4W	
R971	1-249-423-11	CARBON	3.3K	5%	1/4W	
R972	1-247-901-11	CARBON	820K	5%	1/4W	
R973	1-249-441-11	CARBON	100K	5%	1/4W	
R974	1-249-435-11	CARBON	33K	5%	1/4W	
R975	1-249-423-11	CARBON	3.3K	5%	1/4W	
R976	1-247-895-00	CARBON	470K	5%	1/4W	
R977	1-249-441-11	CARBON	100K	5%	1/4W	
R978	1-249-405-11	CARBON	100	5%	1/4W	
R979	1-249-403-11	CARBON	68	5%	1/4W	
R980	1-247-903-00	CARBON	1M	5%	1/4W	
R981	1-249-441-11	CARBON	100K	5%	1/4W	
R982A	1-249-430-11	CARBON	12K	5%	1/4W	
R982B	1-249-441-11	CARBON	100K	5%	1/4W	
R983A	1-249-393-11	CARBON	10	5%	1/4W	

Note: The components identified by mark  or dotted line with mark  are critical for safety. Replace only with part number specified.

Ref.No	Part No.	Description
R983B	1-249-432-11	CARBON 18K 5% 1/4W
R985	1-247-751-11	CARBON 820 5% 1/2W
R987	1-249-433-11	CARBON 22K 5% 1/4W
R989	1-249-433-11	CARBON 22K 5% 1/4W
R990	1-249-433-11	CARBON 22K 5% 1/4W
R991	1-249-433-11	CARBON 22K 5% 1/4W
R992	1-249-433-11	CARBON 22K 5% 1/4W
R993	1-249-433-11	CARBON 22K 5% 1/4W
R995	1-249-417-11	CARBON 1K 5% 1/4W
R996	1-247-727-11	CARBON 10 5% 1/2W
RV301	1-241-021-11	RES, VAR, SLIDE 250K (100Hz)
RV302	1-241-021-11	RES, VAR, SLIDE 250K (330Hz)
RV303	1-241-021-11	RES, VAR, SLIDE 250K (1KHz)
RV304	1-241-021-11	RES, VAR, SLIDE 250K (3.3KHz)
RV305	1-241-021-11	RES, VAR, SLIDE 250K (10KHz)
RV306	1-241-022-11	RES, VAR, CARBON 150K/150K (BALANCE)
RV307	1-238-079-11	RES, VAR, CARBON(MOTOR) 100KX2 (VOLUME)
RV401	1-241-021-11	RES, VAR, SLIDE 250K (100Hz)
RV402	1-241-021-11	RES, VAR, SLIDE 250K (330Hz)
RV403	1-241-021-11	RES, VAR, SLIDE 250K (1KHz)
RV404	1-241-021-11	RES, VAR, SLIDE 250K (3.3KHz)
RV405	1-241-021-11	RES, VAR, SLIDE 250K (10KHz)
RV501	1-228-990-00	RES, ADJ, CARBON 1K
RV601	1-228-990-00	RES, ADJ, CARBON 1K
RY901	1-515-701-11	RELAY
S1	1-554-303-21	SWITCH, KEY BOARD (PHONO)
S2	1-554-303-21	SWITCH, KEY BOARD (TUNER)
S3	1-554-303-21	SWITCH, KEY BOARD (CD)
S4	1-554-303-21	SWITCH, KEY BOARD (TAPE)
S5	1-554-303-21	SWITCH, KEY BOARD (VIDEO)
S6	1-554-303-21	SWITCH, KEY BOARD (DBFB)
S7	1-554-303-21	SWITCH, KEY BOARD (SYSTEM POWER)
S500	1-571-861-11	SWITCH, ROTARY SLIDE
T1	△1-450-068-11	TRANSFORMER, POWER
T2	△1-449-993-21	TRANSFORMER, POWER
TB502	*1-535-115-00	TERMINAL
TB602	*1-535-115-00	TERMINAL
TB703	*1-508-831-12	H TYPE BASE POST
TM700	1-536-706-00	TERMINAL BOARD (SP) (SPEAKER)
X901	1-577-077-11	OSCILLATOR, CERAMIC (400Hz)

Ref.No	Part No.	Description
ACCESSORIES & PACKING MATERIALS		

	1-465-424-11	REMOTE COMMANDER (RM-S104)
	2-181-754-01	COVER, BATTERY
	*3-704-350-01	SHEET (STANDARD), PROTECTION
	3-751-542-21	MANUAL, INSTRUCTION
	*4-927-885-01	CUSHION
	*4-927-886-01	INDIVIDUAL CARTON

Note: The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

